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IDENTIFIERS	Adventure Education; *Outward Bound

ABSTRACT

A supplement to eight previous publications, this bibliography includes recent resource materials, research findings, and developments in outdoor education. Citations are derived from the June 1977-June 1978 issues of Resources in Education (RIE) and Current Index to Journals in Education (CIJE). The bibliography is divided into two major sections covering RIE and CIJE citations. Each section is preceded by a subject index. Among the subjects listed in the RIE subject index are the following: adventure education, ecology, environmental education, experiential learning, handicapped, orienteering, Outward Bound, program development, program evaluation, program planning, recreation, residential programs, sensory experience, and site development. Document types found in this bibliography include the following: bibliographies, directories, guides, program descriptions, and resource and teaching guides. Among the subjects listed in the CIJE subject index are the following: botany, camping, death, ecology, environmental education, experiential learning, field trips, handicapped, higher education, land use, marine biology, natural resources, physical education, recreational activities, research needs, science activities, teacher education, and urban studies. There are 49 citations listed in the RIE section and 75 citations listed in the CIJE section. Ordering information and a list of the 16 ERIC clearinghouses are included. (JC)

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ED164168

OUTDOOR EDUCATION

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supplement no. 8

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NATIONAL INSTITUTE OF EDUCATION

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OUTDOOR EDUCATION

A BIBLIOGRAPHY OF ERIC DOCUMENTS

Supplement No. 8

ERIC/CRESS

November 1978

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November 1978

THE ERIC SYSTEM

The Educational Resources Information Center (ERIC) is a decentralized nationwide network, sponsored by the National Institute of Education (NIE), designed to collect, to organize, to screen, to disseminate and/or otherwise to make available educational resource and/or research related material to teachers, administrators, researchers, students, and other interested persons.

To achieve this purpose, ERIC processes documents for announcement in Resources in Education (RIE). This is a monthly abstract journal which announces all documents that are acquired by ERIC and that pass its selection criteria. ERIC attempts comprehensive coverage of recently completed significant documents dealing with education.

Documents announced in RIE (except for some copyrighted materials) can be purchased in microfiche or paper copy from the ERIC Document Reproduction Service (EDRS). EDRS sends complete sets of ERIC documents on microfiche to over 650 standing order customers in this country and abroad. A list containing the locations of these standing orders may be obtained from the ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, MD 20014.

In addition to providing access to the report literature, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly journal which announces articles appearing in over 700 educationally related periodicals.

Although RIE and CIJE provide manual access to materials, the ERIC data base is also accessible at many locations through computer searches of ERIC's magnetic tapes. The major vendors of on-line retrieval services all provide access to the ERIC data base, which is one of the most popular and lowest cost data bases presently in operation.

ERIC accomplishes its objectives primarily through its three subcontractors and its sixteen Clearinghouses, each of which specializes in different, multi-discipline, educational areas. The Clearinghouse on Rural Education and Small Schools (CRESS) is responsible for processing materials related to rural education, small schools, the American Indian, the Mexican American, the migrant, and outdoor education. For information concerning other individual Clearinghouses and their scopes, consult the list at the back of this publication.

TABLE OF CONTENTS

Organization of the Bibliography		v
Section I	Resources in Education Index	1
	Key to Citations	2
	Citations from Resources in Education	3
Section II	Current Index to Journals in Education	20
	Key to Citations	21
	Citations from Index to Journals in Education	22
Section III	Previous Bibliographies	43
Section IV	List Of ERIC Clearinghouses	44
Section V	Order Blank	47

Organization of the Bibliography

This bibliography is the ninth such outdoor education bibliography covering the latest research findings and/or educational developments drawn from the RIE and CIJE issues dating from June 1977 through June 1978. To compile this bibliography, the terms Outdoor Education, Outdoor Drama, and Outdoor Theatres were used to search the ERIC holdings.

There are two major divisions in the bibliography: the RIE and CIJE sections. Heading each division is a subject index which will aid the reader in locating the material he wants by subject classification.

Each citation begins with an ERIC accession number. RIE entries are given an ED number; CIJE entries have an EJ number. The citations are arranged by these numbers, starting with the lowest number first.

On page 2 the reader may find a Sample RIE Citation and the Key to the Citations. This will explain the code being used. Page 21 carries the Sample CIJE Citation and its Key.

Full reproductions of each RIE document (if available) can be ordered from EDRS through the order blank found in this bibliography. This also includes instructions for computing the price. If an RIE citation says NOT AVAILABLE FROM EDRS, an alternate source is given; if the citation says HC NOT AVAILABLE FROM EDRS, the citation is available in microfiche only.

CIJE articles are not available from EDRS; to find it in its entirety or obtain a reprint, the reader must go to the appropriate journal in his local library. Many journals have reprints available through University Microfilms. See a current issue of CIJE for an up-to-date list of participating journals and for ordering information.

Document Contributions

Persons desiring to make document contributions may do so by sending one copy or two, if available, to:

ERIC/CRESS Acquisitions
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003

OUTDOOR EDUCATION

A SELECTED BIBLIOGRAPHY

RESOURCES IN EDUCATION

ADVENTURE EDUCATION 3
BIBLIOGRAPHIES 4
DIRECTIONS 5
ECOLOGY 5
ENVIRONMENTAL EDUCATION 6
EXPERIENTIAL LEARNING 6
GUIDES 7
HANDICAPPED 9
ORIENTEERING 9
OUTWARD BOUND 11
PROGRAM DESCRIPTIONS 11
PROGRAM DEVELOPMENT 12
PROGRAM EVALUATION 13
PROGRAM PLANNING 14
RECREATION 15
RESIDENTIAL PROGRAMS 16
RESOURCE GUIDES 16
SENSORY EXPERIENCE 17
SITE DEVELOPMENT 18
TEACHING GUIDES 19

Key to Citations

An	Accession number: identifying number assigned to documents and/or journal articles as they are processed
CHAN	Clearinghouse accession number
TI	Title
AU	Author
SPO	Sponsoring Agency
OS	Organizational Source
SO	Publication date and number of pages
AV	Alternate Availability
NO	Notes
NU	Contract Number
DT	Document Type
IT	Index Terms
ST	Supplementary Terms - identifiers not found in Thesaurus of ERIC Descriptors

Sample Citation

AN - ED148548
CHAN - RC010308
TI - Teaching Through Adventure: A Practical Approach
SO - (1976): 97pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, Box 157, Hamilton, Massachusetts 01936 ($4.50)
DT - G (Guides & Manuals)
IT - Activity Learning: Art: Biological Sciences: Camping: *Concept Formation: Curriculum Development: *Curriculum Guides: Educational Objectives: English Curriculum: Field Trips: Group Activities: Interdisciplinary Approach: *Outdoor Education: Planning: *Program Descriptions: Program Development: Program Evaluation: *Secondary Education
ST - *Adventure Activities: *Experimental Learning

ADVENTURE EDUCATION

AN - ED148548
CHAN- RC010308
TI - Teaching Through Adventure: A Practical Approach
SO - (1976): 97pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, Box 157, Hamilton, Massachusetts 01936 ($4.50)
DT - G (Guides & Manuals)
IT - Activity Learning; Art; Biological Sciences; Camping; *Concept Formation; Curriculum Development; *Curriculum Guides; Educational Objectives; English Curriculum; Field Trips; Group Activities; Interdisciplinary Approach; *Outdoor Education; Planning; *Program Descriptions; Program Development; Program Evaluation; *Secondary Education
ST - *Adventure Activities; *Experiential Learning

AN - ED148550
CHAN- RC010310
TI - Cranking Out Adventure: A Bike Leader's Guide to Trial and Error Touring
AU - Rohnke, Karl
SO - (1977): 46pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157 Hamilton, Massachusetts 01936 ($3.00)
DT - G (Guides & Manuals)
IT - *Bicycling; *Camping; Clothing; Costs; *Equipment; Equipment Maintenance; First Aid; Food; Group Activities; *Guides; *Instructional Trips; *Outdoor Education; Physical Fitness; Planning; Psychological Needs; Recreational Activities; Safety; Secondary Education
ST - *Adventure Activities; Experiential Learning

AN - ED148818
CHAN- SP012114
TI - Cowstails and Cobras. A Guide to Ropes Courses, Initiative Games, and Other Adventure Activities
AU - Rohnke, Karl
SO - (1977): 160pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157 Hamilton, Ma. 01936. ($6.50)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Curriculum Enrichment; *Curriculum Guides; *Outdoor Education; *Physical Activities; Physical Education; Risk; *Secondary Education
ST - *Adventure Activities; *Rope Exercises

BIBLIOGRAPHIES

AN - ED136971
CHAN- RC009715
TI - Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 6
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPO - National Inst. of Education (DHEW). Washington, D.C.
SO - Mar :977; 111pp
- RIE77AUG
AV - EDRS Price MF-$0.83 HC-$6.01 Plus Postage.(2 MF). National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-052, $5.50)
NO - For related document, see ED 118 306
NU - Contract, 400-75-0025
DT - L (Bibliographies & Reviews)
IT - *Abstracts; *Annotated Bibliographies; Camping; *Conservation Education; Curriculum Guides; Early Childhood Education; Elementary Secondary Education; *Environmental Education; Field Trips; Handicapped Children; Higher Education; Instructional Materials; Learning Activities; Natural Resources; *Outdoor Education; Program Descriptions; Program Development; Resource Guides; Science Activities; Science Education; Subject Index Terms; Teaching Guides; Urban Education

AN - ED138384
CHAN- RC009837
TI - CRESS-CROSS, 1976
AU - Calderon, Margarita, Ed.
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPO - National Inst. of Education (DHEW). Washington, D.C.
SO - (1976); 26pp
- RIE77SEP
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(1 MF).
NO - Related documents include ED 108 794-801
NU - Contract; 400-75-0025
DT - J (Journals & Periodicals)
IT - *American Indians; *Bibliographies; Bilingual Education; Educational Needs; *Literature Reviews; Mexican Americans; Migrant Education; *Newsletters; *Outdoor Education; *Rural Education; Small Schools

AN - ED149884
CHAN- RC010262
TI - Outdoor Education, A Bibliography of ERIC Abstracts: Supplement No. 7
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPO - National Inst. of Education (DHEW). Washington, D.C.
SO - Jan :978; 2pp
- RIE78JUN
AV - EDRS Price MF-$0.83 HC-$6.01 Plus Postage.(118 MF). National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-060; $6.00)
NO - For related document, see ED 136 971
NU - Contract; 400-75-0025
DT - L (Bibliographies & Reviews)
IT - *Abstracts; Activity Learning; *Annotated Bibliographies; Camping; *Conservation Education; Curriculum Guides; Elementary Education; *Environmental Education; Instructional Materials; Learning Activities; *Outdoor Education; *Periodicals; Resident Camp Programs; Resource Guides; Science Activities; Subject Index Terms; Teaching Guides

DIRECTIONS

AN - ED139571
CHAN- RC009905
TI - Outward Bound Adaptive Programs in Private Schools
OS - Colorado Outward Bound School, Denver.
SO - (1974); 1pp
- RIE77OCT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(23 MF).
DT - D (Directories)
IT - *Articulation (Program); *Directories; Educational Alternatives; Enrollment; Individualized Programs; *Outdoor Education; *Private Schools; *Program Content; Program Descriptions
ST - Experiential Learning; *Outward Bound

AN - ED140994
CHAN- RC009919
TI - Directory of Outdoor Education Degree Programs in Higher Education
AU - Bachert, Russel E., Jr.
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPO - National Inst. of Education (DHEW), Washington, D.C.
SO - Jun 1977; 4pp
- RIE77NOV
AV - EDRS Price MF-$0.83 HC-$18.07 Plus Postage.(334 MF). National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-053, $12.00)
NU - Contract; 400-75-0025
DT - D (Directories)
IT - Affiliated Schools, College Credits; *College Programs; Conservation Education; Course Descriptions; Degree Requirements; Degrees (Titles); *Directories; Ecology; Enrollment; *Environmental Education; Faculty; *Higher Education; Nature Centers; *Outdoor Education; Program Content; Program Descriptions; Universities

ECOLOGY

AN - ED144753
CHAN- RC010104
TI - An Environmental Handbook of the Marble Area
AU - Campbell, Dan
OS - Colorado Outward Bound School, Denver.
SO - 1974; 1pp
- RIE78FEB
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(49 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($1.50)
DT - G (Guides & Manuals)
IT - Climatic Factors; *Ecology; Environmental Education; *Geographic Regions; Geography; *Geology; *Guides; *Outdoor Education; Plant Identification; *Recreation; Wildlife Management
ST - *Colorado; Maroon Bells Snowmass Wilderness Area

ENVIRONMENTAL EDUCATION

AN - ED139672
CHAN- SE022654
TI - A Quantitative Comparison of Environmental Education, Conservation Education, Outdoor Education, Ecological Education, Environmentalized Education and General Education based on Goals
AU - Johnson, David I.
SO - (1977); 2pp
- RIE770CT
AV - EDRS Price MF-$0.83 HC-$7.35 Plus Postage.(148 MF).
NO - Ph.D. Dissertation, Michigan State University; Tables may be marginally legible due to small type
DT - T (Theses & Dissertations)
IT - *Comparative Analysis; *Conservation Education; Doctoral Theses; Ecology; *Educational Objectives; Educational Research; *Environmental Education; *General Education; Models; *Outdoor Education

AN - ED144764
CHAN- RC010117
TI - Colorado Outdoor Education Center Teacher's Field Guide
OS - Colorado Outdoor Education Center, Inc., Florissant.
SO - (1975); 184pp
- RIE78FEB
AV - Document Not Available from EDRS. Colorado Outdoor Education Center, Florissant, Colorado 80816 ($8.00)
DT - G (Guides & Manuals)
IT - Activity Learning; American History; American Indian Culture; Conservation (Environment); Course Content; Creative Activities; Cultural Exchange; *Curriculum Guides; Discovery Learning; Ecology; *Environmental Education; *Environmental Research; Geology; Grade 6; High School Students; Human Geography; Interdisciplinary Approach; Learning Activities; Life Style; Multisensory Learning; Nature Centers; *Outdoor Education; *Trails
ST - *Colorado; *Colorado Outdoor Education Center; Experiential Learning

EXPERIENTIAL LEARNING

AN - ED139572
CHAN- RC009906
TI - Toward Defining Measurable Objectives in the Affective Domain for Experiential Education Programs
AU - McKean, Bob, Ed.; And Others
OS - Colorado Outward Bound School, Denver.
SO - (1975); 1pp
- RIE770CT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(34 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($1.00)
DT - B (Books & Texts)
IT - Activity Learning; *Affective Behavior; Affective Objectives; *Behavioral Objectives; *Behavior Change; Community Involvement; Course Objectives; Educational Alternatives; Educational Programs; Elementary Secondary Education; Exceptional (Atypical); Group Activities; Learning Activities; *Observation; *Outdoor Education; Retarded Children; Skill Development
ST - *Experiential Learning; *Outward Bound

AN - ED148530
CHAN- RC010263
TI - A Rationale for Outdoor Activity as Experiential Education: The Reason for Freez'n'
AU - Kesselheim, A. Donn
SO - Aug 1976; 1pp
- RIE78MAY
AV - EDRS Price MF-$0.33 HC-$1.67 Plus Postage.(13 MF). CMTF, Post Office Box 2238, Littleton, Colorado 80161 (no price given)
NO - Paper presented at the Conference on Outdoor Pursuits in Higher Education (Boone, North Carolina, February 11, 1974). Revised and reprinted August 1976
DT - R (Research & Technical Reports)
IT - Attitudes; Change Strategies; *Concept Formation; *Definitions; Educational Objectives; Environment; Leadership; *Outdoor Education; Perception; *Physical Activities; Self Concept; Skill Development; *Small Group Instruction; *Stress Variables
ST - *Experiential Learning

AN - ED148531
CHAN- RC010264
TI - Report on Mitchell Senior Seminar 1973-74
AU - Fornander, Garold A.
SO - 29 Jul 1974; 2pp
- RIE78MAY
AV - EDRS Price MF-$0.83 HC-$7.35 Plus Postage.(134 MF).
NO - MA Report, University of Colorado, Colorado Outward Bound School
DT - R (Research & Technical Reports)
IT - Activities; Consumer Economics; Costs; Creative Activities; Criminal Law; Cultural Differences; *Curriculum Development; Educational Objectives; *Experimental Programs; Life Style; Marriage; *Outdoor Education; *Program Descriptions; *Program Evaluation; Program Planning; Resource Materials; *Secondary Education
ST - *Experiential Learning

GUIDES

AN - ED134433
CHAN- SE021719
TI - Environmental Education Curriculum Guide - K-Grade 5. Ah-Nei, The Special Classroom Environmental Education Study Area
OS - Bureau of Land Management (Dept. of Interior), Billings, Mont.
SO - Mar 1975; 236pp
- RIE77JUN
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(3 MF).
NO - Not available in hard copy due to marginal legibility of original document
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Biology; Curriculum; Earth Science; Ecology; *Elementary Education; *Elementary School Science; *Environment; *Environmental Education; Instructional Materials; *Outdoor Education; *Teaching Guides

AN - ED139563
CHAN- RC009897
TI - Instructor's Manual, Revised 1976. Colorado Outward Bound School
OS - Colorado Outward Bound School, Denver.
SO - (1976); 2pp
- RIE770CT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(113 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($5.00)
DT - G (Guides & Manuals)
IT - Accident Prevention; Activity Learning; Camping; Course Descriptions; Course Objectives; *Curriculum Guides; First Aid; Interdisciplinary Approach; Lesson Plans; Map Skills; *Outdoor Education; *Physical Activities; Policy; *Program Content; Running; *Safety Education; Teaching Guides; Teaching Procedures
ST - *Colorado Outward Bound School; *Experiential Learning; Orienteering; Outward Bound

AN - ED139564
CHAN- RC009898
TI - Logistics Handbook, 1976. Colorado Outward Bound School
OS - Colorado Outward Bound School, Denver.
SO - (1976). 1pp
- RIE770CT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(92 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($4.00)
DT - G (Guides & Manuals)
IT - Accountability; *Administrator Guides; Clothing; *Coordinators; Educational Equipment; Equipment Maintenance; First Aid; Food; Motor Vehicles; *Occupational Information; *Outdoor Education; Performance Specifications; Purchasing; Records (Forms); *Responsibility; Summer Programs
ST - Colorado Outward Bound School; *Logistics; *Outward Bound

AN - ED148549
CHAN- RC010309
TI - Going Camping? A Basic Guide to Camping with Students
SO - (1977); 39pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, Box 157, Hamilton, Massachusetts 01936 ($2.00)
DT - G (Guides & Manuals)
IT - *Camping; Clothing; *Equipment; First Aid; Food; *Guides; Instructional Trips; Leadership; *Needs; *Outdoor Education; *Planning; Policy Formation; Program Development; Records (Forms); Safety; Secondary Education; Site Selection; Transportation
ST - *Adventure Activities

HANDICAPPED

AN - ED134408
CHAN- SE021392
TI - Nature Trails for the Visually Impaired
AU - Schwartz, Jonathan R.
OS - Syracuse Univ., N.Y. Environmental Studies Inst.
SO - (1976); 47pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(1 MF).
NO - Contains occasional light and broken type
DT - K (Program/Project Descriptions)
IT - *Educational Facilities; *Educational Research; *Handicapped; *Nature Centers; *Outdoor Education; *Visually Handicapped
ST - Nature Trails

AN - ED149885
CHAN- RC010265
TI - The Development and Evaluation of a Therapeutic Wilderness Program for Problem Youth
AU - Porter, William Wales
SO - Mar 1975; 2pp
- RIE78JUN
AV - EDRS Price MF-$0.83 HC-$6.01 Plus Postage.(121 MF).
NO - MA Thesis, University of Denver
DT - T (Theses & Dissertations)
IT - Assertiveness; Attitudes; Behavior Change; Environmental Research; Literature Reviews; Masters Theses; Mental Health; Milieu Therapy; *Outdoor Education; *Problem Children; *Program Development; *Program Evaluation; Questionnaires; Self Esteem; Self Evaluation; *Therapeutic Environment
ST - *Wilderness; *Wilderness Experience Program

ORIENTEERING

AN - ED134384
CHAN- RC009657
TI - Incorporating Orienteering in School Programs
AU - Bradford, Douglas
OS - New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPO - National Inst. of Education (DHEW), Washington, D.C.
SO - Mar 1977; 36pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(1 MF). National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-046, $3.00)
NO - Contract: 400-75-0025
DT - G (Guides & Manuals)
IT - *Activity Learning; Course Organization; Definitions; Distance; Educational Equipment; Elementary Education; *Interdisciplinary Approach; *Map Skills; *Outdoor Education; *Physical Activities; Program Costs; Program Guides; *Running; Skill Development; Time
ST - *Orienteering

AN - ED148551
CHAN- RC010311
TI - The Great Newbury Marsh Hike
AU - Blais, Heidi; And Others
SO - Aug 1974; 42pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusetts 01936 ($0.75)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Bibliographies; Camping; Concept Formation; *Curriculum Guides; *Ecology; Environmental Research; *History; *Interdisciplinary Approach; Map Skills; Marine Biology; Navigation; *Outdoor Education; *Physics; Plant Identification; Secondary Education; Team Training; Teamwork
ST - Triton Regional High School District MA

AN - ED148552
CHAN- RC010312
TI - The Seacoast as Teacher: A Field Experience. (An Adventure in Learning)
AU - Marron, Tom
SO - Aug 1974; 35pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157 Hamilton, Massachusetts 01936 ($0.75)
NO - Curriculum was developed as part of the Cape Ann Investigations - a three week summer workshop
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Activity Learning; Camping; *Curriculum Guides; Discovery Learning; Field Trips; Food; Group Activities; *Interdisciplinary Approach; *Learning Activities; *Outdoor Education; Plant Identification; *Sciences; Secondary Education; Social Sciences; Water Resources
ST - *Coastlines; Experiential Learning; *Rhode Island

AN - ED148553
CHAN- RC010313
TI - Gloucester: Doing and Discovering
SO - 1976; 7pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusette 01936 ($0.50)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Activity Learning; *Curriculum Guides; Educational Objectives; *English; *Field Trips; Grade 9; Group Activities; *Motivation; *Outdoor Education; Secondary Education; Units of Study; *Writing Exercises
ST - *Experiential Learning; Massachusetts (Gloucester)

OUTWARD BOUND

AN - ED144754
CHAN- RC010105
TI - The Exploration of the Outward Bound Process
AU - Walsh, Victor; Collins, Gerald
OS - Colorado Outward Bound School, Denver.
SO - 1976; 1pp
- RIE78FEB
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(38 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($2.00)
DT - R (Research & Technical Reports)
IT - Achievement; Activities; Adjustment (to Environment); Affective Objectives; Cognitive Objectives; Conflict Resolution; *Definitions; *Educational Methods; *Educational Objectives; Environmental Education; *Learning Processes; Learning Readiness; *Outdoor Education; Physical Environment; *Problem Solving; Psychomotor Skills; Social Environment
ST - *Outward Bound

PROGRAM DESCRIPTIONS

AN - ED145980
CHAN- RC010146
TI - Outdoor Laboratory and Community Nature Center
AU - Korth, Stephanie H.; Wurster, Stanley R.
SO - Jul 1977; 1pp
- RIE78MAR
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(16 MF).
DT - K (Program/Project Descriptions)
IT - Activity Learning; Community Involvement; *Community Programs; *Curriculum Development; Elementary Secondary Education; *Environmental Education; Interdisciplinary Approach; Learning Laboratories; *Nature Centers; *Outdoor Education; Program Descriptions; Site Development
ST - *Arizona (Prescott); Elementary Secondary Education Act Title III; *Outdoor Laboratory and Community Nature Center AZ

AN - ED148514
CHAN- RC010221
TI - Milestone 25 (NIU's Outdoor Teacher Education Programs -- Twenty-five Years of Pioneering). Lorado Taft Field Campus Commemorative Brochure
AU - Peterson, Donald C.; Hammerman, Donald R.
OS - Northern Illinois Univ., Oregon. Lorado Taft Field Campus.
SO - Mar 1977; 1pp
- RIE78MAY
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(13 MF).
DT - K (Program/Project Descriptions)
IT - Curriculum; Faculty; *Field Experience Programs; Higher Education; Laboratory Training; *Off Campus Facilities; *Outdoor Education; *Teacher Education; *Universities
ST - *Northern Illinois University

AN - ED149899
CHAN- RC010302
TI - Community Environmental Education Program. Jefferson Union High School District Science Program, 1973-74 School Year
AU - Taini, Reno
SO - (1974); 1pp
- RIE78JUN
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(23 MF).
DT - K (Program/Project Descriptions)
IT - Activity Learning; Budgets; Career Awareness; *Community Involvement; Concept Formation; *Course Descriptions; Critical Thinkirg; Decision Making; Educational Objectives; *Environmental Education; Evaluation; *Interdisciplinary Approach; Leadership; *Outdoor Education; *Political Issues; Problem Solving; Program Descriptions; Scientific Methodology; Secondary Education; Urban Areas
ST - *Experiential Learning

PROGRAM DEVELOPMENT

AN - ED136998
CHAN- RC009776
TI - A Study of the Effects a Residential Outdoor Education Experience Had on Adults Who Attended a Program in Rockford as Students in 1963 ard 1966
AU - Ward, Mary E.
SO - (1 Dec 1976); 49pp
- RIE77AUG
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(1 MF).
NO - Term report for "Outdoor Teacher Education 555: Introduction to Educational Research in Outdoor Education"
DT - R (Research & Technical Reports)
IT - *Adults; Attitudes; Elementary Education; Followup Studies; *Grade 5; Learning Experience; *Outdoor Education; *Program Attitudes; *Program Effectiveness; Questionnaires; *Resident Camp Programs
ST - *Illinois (Rockford)

AN - ED139590
CHAN- RC009926
TI - Hebertisme
AU - Cousineau, Claude
OS - Ontario Ministry of Culture and Recreation, Toronto.
SO - 1976; 2pp
- RIE77OCT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(97 MF). Ontario Government Book Store, 880 Bay Street, Toronto, Ontario, Canada M7A 1N8 ($0.50)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Cartoons; Concept Formation; Definitions; *Guides; *Illustrations; *Outdoor Education; *Physical Education; *Program Development; *Site Development; Site Selection
ST - Experiential Learning; *Hebertisme

AN - ED144777
CHAN- RC010142
TI - The Administration of Outdoor Education Programs
AU - Lewis, Charles A., Jr.
SO - (1975); 83pp
- RIE78FEB
AV - Document Not Available from EDRS. Kendall/Hunt Publishing Company, 2460 Kerper Boulevard, Dubuque, Iowa 52001 ($3.95)
DT - B (Books & Texts)
IT - Concept Formation; *Curriculum Development; Definitions; Environmental Education; Financial Support; *Guides; Instructional Materials; Interagency Cooperation; Organization; Orientation Materials; *Outdoor Education; Planning; *Program Administration; *Program Development; Scheduling; Site Selection; *Teacher Orientation

AN - ED144785
CHAN- SE022890
TI - A System Approach to the Development of a Wildland Setting and Associated Program for Environmental Education
AU - Prater, Merle Pafford
SO - (1977); 2pp
- RIE78FEB
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(141 MF).
NO - M.S. Dissertation, Washington State University; Not available in hard copy due to marginal legibility of original document
DT - T (Theses & Dissertations)
IT - Conservation Education; *Curriculum Development; *Elementary Secondary Education; *Environmental Education; Masters Theses; *Outdoor Education; *Program Development

PROGRAM EVALUATION

AN - ED135544
CHAN- RC009705
TI - Administrative Procedures for Establishing an Effective Outdoor Program for 5th Grade Students of the Houston Independent School District
AU - Huckestein, Joseph J.
SO - 3 Aug 1976; 161pp
- RIE77JUL
AV - EDRS Price MF-$0.83 HC-$8.69 Plus Postage.(2 MF).
NO - Practicum Report for Ed.D. degree, Nova University
DT - R (Research & Technical Reports)
IT - *Camping; *Changing Attitudes; Curriculum Guides; *Environmental Education; Grade 5; *Outdoor Education; *Program Evaluation; Self Concept; *Student Attitudes
ST - *Houston Independent School District TX

AN - ED139555
CHAN- RC009888
TI - Project BACSTOP. E.S.E.A. Title III. Evaluative Report, 1975-1976
AU - Snooks, Lee; Long, Daniel
OS - Battle Creek Public Schools, Mich.
SPO - Office of Education (DHEW), Washington, D.C. Projects to Advance Creativity in Education.
SO - 9 Aug 1976; 1pp
- RIE77OCT
AV - EDRS Price MF-$0.83 HC-$4.67 Plus Postage.(84 MF).
LPA - 88 (Supplementary Centers & Services, PL 88-10, Title III)
DT - Y (Annuals & Yearbooks)
IT - *Behavior Change; *Biracial Secondary Schools; Black Students; Caucasians; Changing Attitudes; Cognitive Development; Comparative Analysis; Grade 7; Group Relations; *Interaction Process Analysis; Junior High School Students; *Outdoor Education; Program Evaluation; *Race Relations; Secondary Education; Sociometric Techniques
ST - *Battle Creek School District MI; Orienteering; *Project BACSTOP

AN - ED141039
CHAN- RC009985
TI - A Review of Research and Evaluation Literature on Outward Bound and Related Educational Programs
AU - Godfrey, Robert
SO - 8 Oct 1974; 1pp
- RIE77NOV
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(22 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($1.00)
NO - Paper presented at the Conference on Experiential Education (Estes Park, Colorado, October 8-11, 1974); Parts may be marginally legible due to small print of the original document
DT - R (Research & Technical Reports)
IT - Activity Learning; Affective Behavior; Delinquents; *Educational Programs; Educational Research; *Evaluation; *Literature Reviews; Maturation; Measurement; Organizational Change; *Outdoor Education; Personality Studies; Program Evaluation; Psychological Studies; *Research; Self Concept; *State of the Art Reviews; Urban Youth; Validity
ST - *Experiential Learning; Outward Bound

PROGRAM PLANNING

AN - ED139565
CHAN- RC009899
TI - A Planning Guide for Short Backpacking and Ski Touring Courses with Colorado Outward Bound School
AU - McLeod, Ricki
OS - Colorado Outward Bound School, Denver.
SO - Sep 1975; 1pp
- RIE77OCT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(66 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($2.00)
DT - G (Guides & Manuals)
IT - Accident Prevention; Bibliographies; Charts; Clothing; Creative Activities; Ecology; Environmental Education; First Aid; Food; Geology; Group Experience; *Guides; History; *Humanistic Education; Instructional Trips; *Integrated Activities; Interdisciplinary Approach; Map Skills; Models; Objectives; *Outdoor Education; Program Evaluation; *Program Planning; Student Participation; Student Projects; Teacher Responsibility; Teacher Role; Values
ST - *Backpacking; Colorado Outward Bound School; Outward Bound; *Skiing

AN - ED141021
CHAN- RC009957
TI - Team Reconnaissance: A Process for Involving Teachers in the Preplanning of Experiential Education Projects
AU - Kielsmeier, Jim
OS - Colorado Outward Bound School, Denver.
SO - May 1975; 1pp
- RIE77NOV
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(12 MF).
DT - G (Guides & Manuals)
IT - Activity Learning; Educational Planning; Field Check; Group Activities; Guides; *Outdoor Education; *Program Planning; *Site Selection; *Teacher Participation; Teacher Responsibility; *Teamwork
ST - *Experiential Learning; Outward Bound; *Reconnaissance

RECREATION

AN - ED134414
CHAN- SE021431
TI - Recreation Activity Clustering: Behavioral and Management Implications
AU - Yoestirg, Dean R.
SO - 1975; 29pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(1 MF).
DT - K (Program/Project Descriptions)
IT - *Behavior Patterns; *Outdoor Education; *Recreation; *Recreational Activities; *Recreational Facilities; Research
ST - *Research Reports

AN - ED137523
CHAN- CE010360
TI - Outdoor Recreation. Curriculum Materials for Agricultural Education
AU - McElwee, Robert; And Others
OS - Virginia Polytechnic Inst. and State Univ., Blacksburg. Agricultural Education Program.
SPO - Virginia State Dept. of Education, Richmond. Agricultural Education Service.
SO - (1976); 83pp
- RIE77SEP
AV - EDRS Price MF-$0.83 HC-$4.67 Plus Postage.(1 MF).
NO - Speech presented at a staff development seminar (The Center for Vocational Education, The Ohio State University, Columbus, Ohio, December 1976)
NU - Report: NRM-1
LPA - OB (Adult & Voc. Ed., PL 88-210)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Agribusiness; *Agricultural Education; Career Exploration; Curriculum Guides; Management; Natural Resources; Off Farm Agricultural Occupations; Post Secondary Education; *Recreation; Recreational Facilities; Recreational Programs; Recreation Finances; Recreation Legislation; Teaching Guides; *Vocational Agriculture; Vocational Education
ST - *Outdoor Recreation

RESIDENTIAL PROGRAMS

AN - ED134419
CHAN- SE021491
TI - Guide for Self-Appraisal and Certification of Resident Outdoor Environmental Education Programs
OS - Los Angeles County Superintendent of Schools, Calif.
SPO - California State Dept. of Education, Sacramento.
SO - 1975; 89pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$4.67 Plus Postage.(1 MF).
DT - G (Guides & Manuals)
IT - *Certification; *Elementary Secondary Education; *Environmental Education; *Evaluation; *Outdoor Education; Program Development; Program Evaluation; Science Education; *State Standards
ST - *California; Resident Outdoor Education

AN - ED143463
CHAN- RC009541
TI - Effects of a Resident Outdoor School Experience Upon Behavior of Selected Fifth Grade Students
AU - Berry, Christine
SO - Dec 1973; 191pp
- RIE78JAN
AV - Document Not Available from EDRS. Inter-Library Loan, Pennsylvania State University, University Park, Pennsylvania 16802
NO - MS Thesis, Pennsylvania State University
DT - T (Theses & Dissertations)
IT - *Behavioral Science Research; *Behavior Problems; *Classroom Techniques; Discipline Problems; Discussion (Teaching Technique); *Elementary Education; Field Instruction; Grade 5; Hypothesis Testing; Learning Readiness; Masters Theses; Multimedia Instruction; *Outdoor Education; Post Testing; Pretesting; Problem Children; *Residential Programs; Teaching Methods; Workbooks
ST - Devereux Elementary School Behavior Rating Scale; Peterson Quay Behavior Problem Checklist; *State College Area School District PA; Stone Valley Outdoor School PA

RESOURCE GUIDES

AN - ED139566
CHAN- RC009900
TI - Resource Guide to the Pawnee Grasslands
AU - Kielsmeier, Jim; And Others
OS - Colorado Outward Bound School, Denver.
SO - Aug 1975; 1pp
- RIE77OCT
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(35 MF). Colorado Outward Bound School, 945 Pennsylvania Street, Denver, Colorado 80203 ($2.00)
DT - G (Guides & Manuals)
IT - American Indians; Anthropology; Archaeology; Climatic Factors; *Environmental Education; Environmental Influences; Field Trips; Geology; History; Information Sources; *Integrated Activities; *Interdisciplinary Approach; Land Settlement; Literature; Migration Patterns; Nutrition; *Outdoor Education; *Resource Guides; Resource Materials; Unit Plan
ST - *Colorado; Logistics; *Pawnee Grasslands

AN - ED148554
CHAN- RC010314
TI - Treasure Along the Parker River
AU - Fitzpatrick, Ann-Marie; And Others
SO - 1976; 52pp
- RIE78MAY
AV - Document Not Available from EDRS. Project Adventure, P.O. Box 157, Hamilton, Massachusetts 01936 ($0.75)
DT - C (Curriculum Materials & Teacher-Developed Materials)
IT - Activities; Affective Objectives; Art; Cognitive Objectives; *Cultural Environment; *Curriculum Guides; Discovery Learning; Educational Objectives; Grade 7; Grade 8; *Group Activities; History; Instructional Materials; *Interdisciplinary Approach; Language Arts; Mathematics; *Outdoor Education; *Physical Environment; Sciences; Secondary Education; Social Studies; Units of Study
ST - Experiential Learning; *Massachusetts

SENSORY EXPERIENCE

AN - ED134362
CHAN- RC009631
TI - Strategies to Affect Student Sensory Awareness of the Environment in a Rural Schools Setting: Grade Four through Grade Six
AU - Peters, Richard O.
SO - Aug 1976; 15pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(1 MF).
NO - For related documents, see ED 125 838 and RC 009 632
DT - G (Guides & Manuals)
IT - *Activities; Concept Formation; Curriculum Guides; Educational Objectives; *Elementary Education; Environmental Education; Grade 4; Grade 5; Grade 6; *Lesson Plans; *Outdoor Education; Program Descriptions; Rural Areas; *Rural Schools; *Sensory Experience
ST - New Hampshire; *Proximity

AN - ED134363
CHAN- RC009632
TI - Strategies to Affect Student Sensory Awareness of the Environment in a Rural Schools Setting: Grade Seven through Grade Twelve
AU - Peters, Richard O.
SO - Sep 1976; 12pp
- RIE77JUN
AV - EDRS Price MF-$0.83 HC-$1.67 Plus Postage.(1 MF).
NO - For related documents, see ED 125 838 and RC 009 631
DT - G (Guides & Manuals)
IT - *Activities; Concept Formation; Curriculum Guides; Educational Objectives; Environmental Education; *Lesson Plans; *Outdoor Education; Program Descriptions; Rural Areas; *Rural Schools; *Secondary Education; *Sensory Experience
ST - New Hampshire; *Proximity

SITE DEVELOPMENT

AN - ED139592
CHAN- RC009928
TI - The Appalachian Trail: Guidelines for Preservation, Revised May 1977
OS - Pennsylvania State Univ., University Park. Dept. of Landscape Architecture.
SPO - Pennsylvania State Dept. of Community Affairs, Harrisburg.
SO - May 1977; 3pp
- RIE77OCT
AV - EDRS Price MF-$0.83 HC-$12.71 Plus Postage.(229 MF).
DT - G (Guides & Manuals)
IT - Change Strategies; *Conservation (Environment); Forestry; Geographic Location; Geology; Government Role; Guidelines; Land Acquisition; *Landscaping; *Land Use; Maps; Natural Resources; *Outdoor Education; Physical Design Needs; Preservation; Recreational Facilities; Site Analysis; *Site Development; Soil Conservation; *Trails
ST - *Appalachian Trail

AN - ED141953
CHAN- EA009770
TI - School Sites: Development and Utilization for Environmental Studies. Project KARE: A National Model for Strengthening Environmental Studies in Local Schools
AU - Tully, Randolph R., Jr.
OS - Montgomery County Intermediate Unit 23, Blue Bell, Pa.; Research and Information Services for Education, King of Prussia, Pa.
SO - 1975; 1pp
- RIE77DEC
AV - EDRS Price MF-$0.83 HC-$2.06 Plus Postage.(39 MF).
NO - For a related document, see ED 087 692
DT - R (Research & Technical Reports)
IT - *Activity Learning; Bibliographies; Curriculum Development; Curriculum Guides; Educational Innovation; Elementary Secondary Education; *Environmental Education; Interdisciplinary Approach; Landscaping; Needs Assessment; *Outdoor Education; *Resource Guides; *Site Analysis; *Site Development; Student Participation; Trails

TEACHING GUIDES

AN - ED144824
CHAN- SE023114
TI - Instructional Guide for Outdoor Education, K-3. Wausau District Public Schools, Wausau, Wisconsin
AU - Curtis, Hugh; And Others
OS - Wausau District Public Schools, Wis.
SO - 1970; 2pp
- RIE78FEB
AV - EDRS Price MF-$0.83 Plus Postage. HC Not Available from EDRS.(111 MF).
NO - For related document, see SE 023 115; Not available in hard copy due to marginal legibility of original document
DT - G (Guides & Manuals)
IT - *Conservation Education; *Elementary School Science; *Environmental Education; Instructional Materials; Learning Activities; *Outdoor Education; Primary Education; Resources; Science Activities; Science Education; *Teaching Guides

AN - ED144825
CHAN- SE023115
TI - Wausau District Public Schools Outdoor Education Camp Director's Manual
AU - Curtis, Hugh
OS - Wausau District Public Schools, Wis.
SO - 1971; 1pp
- RIE78FEB
AV - EDRS Price MF-$0.83 HC-$3.50 Plus Postage.(66 MF).
NO - For related document, see SE 023 114; Contains occasional light and broken type
DT - G (Guides & Manuals)
IT - Camping; *Conservation Education; Elementary Education; *Environmental Education; *Instructional Materials; Learning Activities; Nature Centers; *Outdoor Education; Science Education; *Teaching Guides

OUTDOOR EDUCATION

A SELECTED BIBLIOGRAPHY

CURRENT INDEX TO JOURNALS IN EDUCATION

BOTANY 22
CAMPING 23
CURRICULUM DEVELOPMENT 24
DEATH 25
ECOLOGY 25
ENVIRONMENTAL EDUCATION 26
EXPERIENTIAL LEARNING 27
FIELD TRIPS 28
HANDICAPPED 28
HIGHER EDUCATION 30
LAND USE 31
MARINE BIOLOGY 31
NATURAL RESOURCES 32
PHYSICAL EDUCATION 33
PROGRAM DESCRIPTIONS 34
RECREATIONAL ACTIVITIES 35
RESEARCH NEEDS 37
SCIENCE ACTIVITIES 37
TEACHER EDUCATION 39
URBAN STUDIES 41

Key to Citations

AN	Accession Number: identifying number assigned to documents and/or journal articles as they are processed
CHAN	Clearinghouse Accession Number
TI	Title
AU	Author
OS	Organizational Source
SO	Source (as from a journal)
DT	Document Type
IT	Index Terms
ST	Supplementary Terms - identifiers not found in Thesaurus of ERIC Descriptors
AB	Abstract
( )	Abstractor's initials always placed at end of abstract

Sample Citation

AN - EJ160949
CHAN - SE519190
TI - GRASSES AND WEEDS
AU - MCINTYRE, MARGARET, ED.
SO - SCIENCE AND CHILDREN: 14: 7: 28-29 (APR 1977)
- CIJE77
IT - *BOTANY: *EARLY CHILDHOOD EDUCATION: *ELEMENTARY SCHOOL SCIENCE: ELEMENTARY EDUCATION: INSTRUCTIONAL MATERIALS: *OUTDOOR EDUCATION: PRIMARY EDUCATION: *SCIENCE ACTIVITIES: SCIENCE EDUCATION: *WEEDS
AB - SUGGESTS OUTDOOR ACTIVITIES THAT INVOLVE SMALL GROUPS OF CHILDREN IN DISCOVERIES ABOUT GRASSES AND WEEDS. INCLUDED ARE ACTIVITIES WITH DANDELIONS, PLANTAINS, CHICKWEED, CLOVER AND FESCUE. (CS)

BOTANY

AN - EJ160949
CHAN- SE519190
TI - GRASSES AND WEEDS
AU - MCINTYRE, MARGARET, ED.
SO - SCIENCE AND CHILDREN; 14; 7; 28-29 (APR 1977)
- CIJE77
IT - *BOTANY; *EARLY CHILDHOOD EDUCATION; *ELEMENTARY SCHOOL SCIENCE; ELEMENTARY EDUCATION; INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; PRIMARY EDUCATION; *SCIENCE ACTIVITIES; SCIENCE EDUCATION; *WEEDS
AB - SUGGESTS OUTDOOR ACTIVITIES THAT INVOLVE SMALL GROUPS OF CHILDREN IN DISCOVERIES ABOUT GRASSES AND WEEDS. INCLUDED ARE ACTIVITIES WITH DANDELIONS, PLANTAINS, CHICKWEED, CLOVER AND FESCUE. (CS)

AN - EJ162873
CHAN- RC502508
TI - "IF YOU KNOW SUMAC...LIKE I KNOW SUMAC..."
AU - DEMSKE, DEBBIE
SO - COMMUNICATOR; 8; 2; 12-14 (SPR-SUM 1977)
- CIJE77
IT - *BOTANY; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; PLANT IDENTIFICATION; *TREES; *USE STUDIES
ST - *SUMAC
AB - SUMAC CAN BE USED IN EVERY SEASON TO REPRESENT SUCH CONCEPTS AS SPECIES VARIATION, THE FOOD WEB, AND NATURAL FOODS AND DYES. THIS ARTICLE BRIEFLY DISCUSSES THE SUMAC FAMILY, THE RELATIONSHIP OF THE CARPENTER BEE (CERATINA DUPLA) AND THE STAGHORN SUMAC, AND THE USES OF THE SUMAC IN THE KITCHEN AND THE CRAFTSMAN. (NQ)

AN - EJ162876
CHAN- RC502511
TI - SPRING FLOWERS--THE HARVEST OF A SENSITIVE EYE
AU - LEVIN, TED
SO - COMMUNICATOR; 8; 2, 29-34 (SPR-SUM 1977)
- CIJE77
IT - *BOTANY; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PLANT IDENTIFICATION
AB - TWELVE FLOWERS ARE DESCRIBED IN THE ORDER OF THEIR APPEARANCE IN THE SPRING. DRAWINGS COMPLIMENT THE TEXT. FLOWERS ARE THE HEPATICA, BLOODROOT, RED TRILLIUM, WILD GINGER, MARSH MARIGOLD, JUNEBERRY, SHADBUSH, WILD IRIS, CLINTONIA, STARFLOWER, LABRADOR TEA, BUNCHBERRY, AND PARTRIDGE BERRY. (NQ)

AN - EJ174181
CHAN- RC502714
TI - Deciduous Plant Twigs in Winter
AU - Clark, Eloise
SO - Communicator; 9; 1; 5-12 (F-Win 1977)
- CIJE78
IT - *Environmental Education; *Illustrations; *Outdoor Education; *Plant Identification; Plant Science
AB - Describing, via illustration and narrative, the winter twigs found in the U.S., this article presents a sophisticated discussion of: beech, white ash, aspen, sycamore, red oak, butternut, and other winter twigs. (JC)

AN - EJ174184
CHAN- RC502717
TI - Diazo Leaves
AU - Loughlin, William A.
SO - Communicator; 9; 1; 22-4 (F-Win 1977)
- CIJE78
IT - Classroom Techniques; *Development; *Outdoor Education; *Plant Identification; *Transparencies; *Teaching Methods; Visual Aids
ST - *Diazo Leaves
AB - The methodology for developing and using diazo leaves as a means of instruction in the classroom is described. (JC)

CAMPING

AN - EJ159917
CHAN- AA525956
TI - USE THE GREAT OUTDOORS FOR A CLASSROOM
AU - DEMERS, JOSEPH L.; GRAHAM, ALDYTH
SO - INSTRUCTOR; 86; 6; 98-102 (FEB 1977)
- CIJE77
IT - *CAMPING; *EDUCATIONAL OBJECTIVES; *ELEMENTARY SCHOOL STUDENTS; FOOD; GUIDELINES; ILLUSTRATIONS; *INSTRUCTIONAL TRIPS; *OUTDOOR EDUCATION
AB - MORE AND MORE SCHOOLS ARE MAKING CAMPING PART OF THE CURRICULUM. WHETHER YOU AND YOUR CLASS TAKE A SIMPLE OVERNIGHT OR A WEEK-LONG TREK INTO THE WILDS, YOU'LL FIND HELP AND ENCOURAGEMENT IN THESE THREE ARTICLES. (EDITOR/RK)

AN - EJ162877
CHAN- RC502512
TI - THE ADVENTURES OF A FLEDGLING OUTDOOR EDUCATOR OR HOW KIDS CHANGED MY PLANS!!
AU - COMIS, DONALD L.
SO - COMMUNICATOR; 8; 2; 35-8 (SPR-SUM 1977)
- CIJE77
IT - *BEGINNING TEACHERS; *CAMPING; ENVIRONMENTAL EDUCATION; *NATURE CENTERS; *OUTDOOR EDUCATION
AB - THE ARTICLE DISCUSSES THE PROBLEMS AND EXPERIENCES OF A BEGINNING TEACHER WHO IS CONDUCTING AN OUTDOOR EDUCATION EXPERIENCE FOR THE FIRST TIME. (NQ)

AN - EJ166504
CHAN- RC502575
TI - Camp Tawingo, A Private Camp Serving Public Outdoor Education Needs in Ontario
AU - Magee, Clare
SO - Journal of Outdoor Education; 12; 1; 19-23 (1977)
- CIJE78
IT - *Camping; Educational Philosophy; *Outdoor Education; *Program Descriptions; Program Length; *Resident Camp Programs
ST - Canada; *Ontario; *Tawingo Outdoor Centre
AB - Begun as a summer camp in 1961, Camp Tawingo operates year-round in the province of Ontario. This article discusses the Camp's history, development, philosophy, objectives, location, seasonal schedule, staff, and uses by schools and other groups. (NQ)

AN - EJ174190
CHAN- RC502723
TI - The Development of a Positive Self-Image through Resident Camping Experiences
AU - Miller, Rex A.
SO - Communicator; 9, 1; 48-50 (F-Win 1977)
- CIJE78
IT - *Campirg; Discovery Learning; Improvement; *Outdoor Education; *Positive Reinforcement; Residential Centers; *Socialization; *Self Concept; *Skill Development
ST - *Experiential Learning
AB - The extended resident outdoor education experience is one of the most successful ways for an individual to have consistent positive experiences in terms of learning, socialization, and growth of self-concept. (Author/JC)

AN - EJ174441
CHAN- SE520856
TI - Wilderness as a Living Classroom
AU - Rowell, Galen
SO - Sierra Club Bulletin; 63; 1; 24 (Jan 1978)
- CIJE78
IT - *Campirg; Conservation Education; *Elementary Education; Ecology; *Environmental Education; Field Trips; *Natural Resources; *Outdoor Education; Reference Materials; Science Education
ST - Wilderness
AB - Students at a California elementary school spent three days on a coastal wilderness trip where they learned about the history and ecological relationships of the area. Children assumed the responsibility for camp chores and disciplined themselves to fit their natural surroundings. Personal awareness of the natural environment was stressed. (MA)

CURRICULUM DEVELOPMENT

AN - EJ162878
CHAN- RC502513
TI - ONE DAY AWAY
AU - SMITH, BRUCE G.
SO - COMMUNICATOR; 8; 2; 39-40 (SPR-SUM 1977)
- CIJE77
IT - *LEARNING ACTIVITIES; *LEARNING EXPERIENCE; LAND USE; *OUTDOOR EDUCATION; *PLANNING; PROGRAM CONTENT; SCHOOL COMMUNITY COOPERATION
AB - THROUGH CAREFUL PLANNING, A LITTLE IMAGINATION, AND UTILIZATION OF ALL THE RESOURCES AVAILABLE IN THE AREA, A ONE-DAY OUTDOOR EDUCATION DAY CAN PROVIDE MEANINGFUL, DIRECT, FIRST-HAND LEARNING EXPERIENCES THAT CAN SERVE AS A SPRINGBOARD FOR INTERESTING, RELEVANT, LONG-TERM STUDY BOTH IN THE CLASSROOM AND IN THE OUTDOORS. (AUTHOR/NQ)

AN - EJ166503
CHAN- RC502574
TI - Outdoor/Environmental Education in Manitoba
AU - Seim, Stuart S.
SO - Journal of Outdoor Education; 12; 1; 17-18 (1977)
- CIJE78
IT - *Curriculum Development; *Environmental Education; Financial Support; Foreign Countries; *Outdoor Education; Professional Training
ST - *Manitoba

DEATH

AN - EJ159905
CHAN- AA525944
TI - OUTDOOR EDUCATION AND DEATH
AU - HAUSE, KENNETH
SO - INDEPENDENT SCHOOL; 36; 3; 43-4 (FEB 1977)
- CIJE77
IT - *DEATH; GROUP EXPERIENCE; *OUTDOOR EDUCATION; *PARENT SCHOOL RELATIONSHIP; PRIVATE SCHOOLS; STUDENT TEACHER RELATIONSHIP; *STUDENT EXPERIENCE; *TEACHER ATTITUDES
AB - FOR OVER 20 YEARS A TEACHER FROM THE COLORADO ROCKY MOUNTAIN SCHOOL, CARBONDALE, COLORADO, HAS BEEN LEADING HIS STUDENTS THROUGH OUTDOOR TRIPS. HERE HE SHARES HIS THOUGHTS ON OUTDOOR EDUCATION AND WHAT HAPPENS WHEN A DEATH OCCURS ON A SCHOOL TRIP BY ASKING QUESTIONS AND GIVING ANSWERS FROM HIS EXPERIENCE. (AUTHOR/RK)

ECOLOGY

AN - EJ159428
CHAN- SE518923
TI - BUILDING AN ECOLOGICAL CONSCIENCE
AU - KENDALL, DAVID L.
SO - SCIENCE AND CHILDREN; 14; 6; 25-27 (MAR 1977)
- CIJE77
IT - COURSE DESCRIPTIONS; *ELEMENTARY SECONDARY EDUCATION; *ECOLOGY; *FIELD STUDIES; *INSTRUCTION; JUNIOR HIGH SCHOOL STUDENTS; *OUTDOOR EDUCATION, SCIENCE ACTIVITIES; SCIENCE EDUCATION; STUDENT ATTITUDES
AB - DESCRIBES AN OUTDOOR SCIENCE PROJECT FOR JUNIOR HIGH STUDENTS THAT DEEPLY INVOLVES THE OBSERVER WITH THE NATURAL ENVIRONMENT HE IS OBSERVING. LISTS TEACHING TACTICS THAT PROMOTE DEEP STUDENT AWARENESS OF THE ENVIRONMENT. DESCRIBES FOUR INTRODUCTORY ACTIVITIES AND AN EXAMPLE OF AN INVESTIGATION THAT MIGHT NORMALLY GROW OUT OF AN INTRODUCTORY ACTIVITY. (CS)

AN - EJ176866
CHAN- AA527672
TI - Classroom in the Cactus
AU - Stocker, Joseph
SO - American Education; 13; 10; 6-11 (Dec 1977)
- CIJE78
IT - Bias; *Conservation Education; *Educational Programs; *Ecology; Illustrations; *Learning; *Museums; *Outdoor Education; Volunteer Trainirg; Zoos
ST - *Arizora Sonora Desert Museum
AB - The Arizona-Sonora Desert Museum uses such quaint teaching tools as the Gila monster and the boojum tree to tell the story of its vast ard fascinating but often misunderstood desert environment. (Editor)

AN - EJ179808
CHAN- SE519983
TI - OBIS + Kids = Activity
AU - Murtha, Kathleen T.
SO - American Biology Teacher; 39; 7; 439,454 (Oct 1977)
- CIJE78
IT - *Ecology; *Environmental Education; Elementary School Science; Grade 7; *Junior High School Students; Outdoor Education; *Science Activities; *Science Course Improvement Project; Science Education; Science Materials
ST - *Outdoor Biology Instructional Strategies; OBIS
AB - This article introduces the reader to Outdoor Biology Instructional Strategies (OBIS) materials. These materials are designed to teach children an understanding of basic ecological relationships. One teacher's use of OBIS materials with 7th graders is described. (MR)

ENVIRONMENTAL EDUCATION

AN - EJ172461
CHAN- SE520375
TI - Source Guide for Park Resource Interpreters
AU - Hanna, John W.; Mullins, Gary W.
SO - Journal of Environmental Education; 9; 1; 4-22 (1977)
- CIJE78
IT - *Bibliographies; *Directories; *Environmental Education; Guides; Instructional Materials; *Outdoor Education; Publications; *Parks; *Resource Materials; Reference Materials
AB - This source guide is the result of a larger study done to assess information about the new field of park resource interpretation. It contains those sources identified by a random sample of persons in the field. The bibliography is divided into 11 categories and includes the usual bibliographic information. (MA)

AN - EJ174182
CHAN- RC502715
TI - Fooling Mother Nature
AU - Loeven, Colleen
SO - Communicator; 9, 1; 13-4 (F-Win 1977)
- CIJE78
IT - *Animal Behavior; *Environmental Education; *Food; *Outdoor Education; *Observation
ST - *Birdwatching
AB - An unusual innovation that has been used at Dover Plains Environmental Education Center and which involves a scarecrow is described in this article on birdwatching. (JC)

AN - EJ174185
CHAN- RC502718
TI - Backyard Bird Photography
AU - DeMayo, Cliff
SO - Communicator; 9; 1; 25-8 (F-Win 1977)
- CIJE78
IT - *Environmental Education; Food; Illustrations; *Methods; *Outdoor Education; *Photographic Equipment; *Photography
ST - *Birdwatching
AB - Equipment and methodology are discussed in this article on photographing birds. (JC)

AN - EJ178454
CHAN- SE521385
TI - So You Want to Teach Outdoors
AU - Cummings, Stanley L.
SO - American Biology Teacher; 40; 3; 172-4 (Mar 1978)
- CIJE78
IT - Biological Sciences; *Career Opportunities; *Environmental Education; Ecology; Natural Sciences; *Outdoor Education; *Parks; Science Education; *Teachers
AB - Discusses how to get a job in academic outdoor education, particularly at the Yosemite Institute. (BB)

EXPERIENTIAL LEARNING

AN - EJ162874
CHAN- RC502509
TI - EDUCATION FOR RESOURCEFUL LIVING
AU - MULKEEN, THOMAS A.
SO - COMMUNICATOR; 8, 2, 15-19 (SPR-SUM 1977)
- CIJE77
IT - *ALTERNATIVE SCHOOLS; *ENVIRONMENTAL EDUCATION; EDUCATIONAL ALTERNATIVES; FUTURES (OF SOCIETY); *HIGHER EDUCATION; *HUMANISTIC EDUCATION; *LABORATORY TRAINING; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS
ST - *EXPERIENTIAL LEARNING
AB - THE CENTER FOR RESOURCEFUL LIVING AT NORTH ADAMS STATE COLLEGE WAS DEVELOPED TO TEACH STUDENTS THE SKILLS THAT WILL ALLOW THEM TO BECOME MORE SELF-SUFFICIENT PROVIDING THEIR FOOD, ENERGY, AND SHELTER NEEDS, AS WELL AS VALUES THAT WILL SERVE AS GUIDES IN DEVELOPING A SATISFYING, HEALTHY AND MEANINGFUL LIFE. (NQ)

AN - EJ179682
CHAN- RC502838
TI - Challerging the Past. Present. & Future: New Directions in Education
AU - Shore. Arnold; Greenberg. Ellie
SO - Journal of Experiential Education; 1; 1; 42-6 (1978)
- CIJE78
IT - *Educational History; *Educational Trends; *Educational Experience; Educational Development; *Futures (of Society); *Outdoor Education; Relevance (Education)
ST - *Experiential Learning
AB - The two-part article focuses on where we've been, where we are, and where we're heading in experiential education. (Author/NQ)

FIELD TRIPS

AN - EJ165250
CHAN- AA526358
TI - Putting the "Field" Back into the Field Trip
AU - Caras. Roger
SO - Instructor; 86; 8; 50 (Apr 1977)
- CIJE78
IT - Creative Teaching; Educational Resources; *Field Trips; *Outdoor Education; *Science Activities

AN - EJ178363
CHAN- SE520925
TI - Field Projects in the High School Earth Science Course
AU - VanZant, Kent
SO - Journal of Geological Education; 25; 3; 85-6 (May 1977)
- CIJE78
IT - *Earth Science; *Field Studies; *Field Trips; *Geology; *Outdoor Education; *Secondary School Science; Science Activities; Science Education; Science Units; Secondary Education
AB - Discusses the advantages and disadvantages of incorporating field projects into secondary level earth science courses. (SL)

HANDICAPPED

AN - EJ155629
CHAN- PS505446
TI - DESIGNING A SPECIAL PLAYGROUND
AU - GILLET. PAMELA
SO - CHILDREN TODAY; 6; 1; 13-17 (JAN/FEB 1977)
- CIJE77
IT - EDUCATIONAL ENVIRONMENT; *EARLY CHILDHOOD EDUCATION; EXCEPTIONAL STUDENTS; *HANDICAPPED CHILDREN; MODELS; *OUTDOOR EDUCATION; *PHYSICAL DEVELOPMENT; *PLAYGROUNDS; SCHOOL ARCHITECTURE
AB - DESCRIBES HOW TEACHERS AND STUDENT ARCHITECTS PLANNED AN INNOVATIVE OUTDOOR LEARNING AREA FOR TRAINABLE MENTALLY HANDICAPPED AND PRESCHOOL MULTIPLY-HANDICAPPED CHILDREN. (BF/JH)

AN - EJ173316
CHAN- CS710668
TI - The Acorn People
AU - Jones, Ron
SO - Media and Methods; 14: 5: 24-32,50-1 (Jan 1978)
- CIJE78
IT - Camp Counselors; *Exceptional Child Services; Elementary Education; *Handicapped Children; *Outdoor Education; *Recreational Programs
AB - Describes the personal reflections of a camp counselor on working with severely handicapped youngsters. (KS)

AN - EJ174183
CHAN- RC502716
TI - Walden-in-the-Woods
AU - Christenson, Gary
SO - Communicator; 9; 1; 15-21 (F-Win 1977)
- CIJE78
IT - *Activities; Educational Objectives; Learning Disabilities; *Outdoor Education; *Program Descriptions; *Regular Class Placement; *Special Education
ST - *Mainstreaming
AB - Describing a program aimed at learning disabled boys aged 11-15, this article presents the program's purpose and goals (mainstreaming), activities, and main focus (a maple syrup operation and guide development project). (JC)

AN - EJ176548
CHAN- SP506782
TI - Discovery Through Outdoor Education
AU - Kaherl, Kristy
SO - Journal of Physical Education and Recreation; 49; 1; 29 (Jan 1978)
- CIJE78
IT - *Adapted Physical Education; Elementary Secondary Education; *Field Experience Programs; *Outdoor Education; Program Descriptions; *Trainable Mentally Handicapped
ST - Macomb Intermediate School District (Michigan)
AB - The outdoor education program of the Macomb Intermediate School District (Michigan) enables trainable and severely mentally impaired students to experience many of the outdoor activities previously restricted to normally intelligent students. (MJB)

AN - EJ178250
CHAN- RC502805
TI - Practices and Trends in Outdoor Education for Exceptional Children: A Look at Mainstreaming
AU - Kingsley, Ronald F.; And Others
SO - Education; 98; 3; 353-8 (Mar/Apr 1978)
- CIJE78
IT - *Educational Trends; *Exceptional Persons; *Educational Practice; *Outdoor Education; *Regular Class Placement
ST - *Mainstreaming; *Ohio
AB - Current practices and trends in outdoor education with exceptional children in 41 county and city school systems in Ohio were explored. Information was obtained on the type and degree of mainstreaming taking place. The results were then compared to a study conducted eight years ago. (Author/NQ)

HIGHER EDUCATION

AN - EJ176550
CHAN- SP506784
TI - Integrating Natural and Human Environments
AU - Keating, Lou Ann; And Others
SO - Journal of Physical Education and Recreation; 49: 1: 33-4 (Jan 1978)
- CIJE78
IT - *College Programs; Females; *Outdoor Education; Program Descriptions; *Personal Growth; Program Evaluation; *Weekend Programs
AB - Participant and facilitator evaluation of a weekend residential outdoor experience for college women indicated that the goals of interpersonal, intrapersonal, intellectual, and physical growth were met. (MJB)

AN - EJ176551
CHAN- SP506785
TI - Status of Outdoor Education Degree Programs
AU - Bachert, Russel E., Jr.
SO - Journal of Physical Education and Recreation; 49: 1: 35 (Jan 1978)
- CIJE78
IT - *Conservation Education; *Degree Requirements; *Environmental Education; Higher Education; National Surveys; *Outdoor Education
AB - The author presents in question and answer format the findings of a survey of outdoor education degree programs offered in higher education. (MJB)

AN - EJ179680
CHAN- RC502836
TI - Experiencing History
AU - Crew, Adolf; And Others
SO - Journal of Experiential Education; 1: 1: 29-37 (1978)
- CIJE78
IT - *College Curriculum; *Cultural Environment; Educational Innovation; *Interdisciplinary Approach; Local History; *Outdoor Education; *State History; Teaching Methods
ST - *Alabama; *Experiential Learning
AB - An innovative graduate course in education devoted to the development of techniques utilizing direct experience in the history curriculum, the 6-weekend course took a level of local cultural history each weekend, showed how that culture related to and changed the land, and whenever possible, communicated that with experiential learning. (NQ)

LAND USE

AN - EJ176319
CHAN- SE521117
TI - School Site Action in Michigan: Land--The Unused Textbook
AU - Hendrix, Eunice
SO - Nature Study; 31: 1; 7-8 (1977)
- CIJE78
IT - *Board Of Education Policy; Conservation Education; Ecology; *Environmental Education; *Facilities; *Land Use; Natural Resources; *Outdoor Education; *Site Development; Science Education; Values
AB - This article is concerned with the educational use of school owned land. The Ann Arbor, Michigan School Site Policy is discussed in detail. The goal of this policy statement is to encourage land use as a classroom to teach students the ecological principles that govern their survival on earth. (MA)

AN - EJ179679
CHAN- RC502835
TI - The Outlook for Educational Use of Public Wildlands
AU - Meyer, Dan
SO - Journal of Experiential Education; 1; 1; 16-20 (1978)
- CIJE78
IT - *Conservation (Environment); Depleted Resources; *Educational Environment; Educational Alternatives; *Land Use; *Outdoor Education; *Use Studies
ST - *Experiential Learning; *Wilderness
AB - The article defines and explores the problems concerning use of public lands by organized groups and makes recommendations for increasing the likelihood of continued use in the future. (NQ)

MARINE BIOLOGY

AN - EJ162872
CHAN- RC502507
TI - THE SEINE NET--AN OVERLOOKED ENVIRONMENTAL TESTING TOOL
AU - DUPONT, SIDNEY I.
SO - COMMUNICATOR; 8; 2; 7-11 (SPR-SUM 1977)
- CIJE77
IT - *BIOLOGICAL SCIENCES; *ENVIRONMENTAL EDUCATION; *MARINE BIOLOGY; NATURAL RESOURCES; *OUTDOOR EDUCATION
AB - THROUGH SEINING INDIVIDUALS, FAMILIES, CAMPS, AND SCHOOLS CAN CONTINUINGLY TEST THE AQUATIC LIFE JUST BEYOND THE WATERLINE. THIS ARTICLE DISCUSSES THE PROCESS OF USING A SEINE NET AND WHAT CAN BE FOUND IN THE NET. (NQ)

AN - EJ174187
CHAN- RC502720
TI - Marine Organisms on a Rock Jetty
AU - Etri, Lawrence R.
SO - Communicator; 9; 1; 32-6 (F-Win 1977)
- CIJE78
IT - *Ecology; *Illustrations; *Marine Biology; *Outdoor Education; *Soil Science; *Taxonomy
AB - The merit of exploring an intertidal jetty sound is described in terms of the marine organisms living in the jetty's algal zones: calothrix, enteromorpha, and fucus zones. (JC)

NATURAL RESOURCES

AN - EJ162871
CHAN- RC502506
TI - LONG ISLAND--"ISLE OF SWEET BROOKS" AND OTHER HABITATS
AU - WHEAT, MAXWELL CORYDON, JR.
SO - COMMUNICATOR; 8; 2; 2-6 (SPR-SUM 1977)
- CIJE77
IT - *ENVIRONMENT; ENVIRONMENTAL INFLUENCES; *NATURAL RESOURCES; *OUTDOOR EDUCATION
ST - *NEW YORK (LONG ISLAND)
AB - THE ARTICLE PRESENTS AN OVERVIEW OF LONG ISLAND AND SOME OF ITS DIFFERENT HABITATS, I.E., THE PINE BARRENS, THE SALT MARCHES, THE NORTH SHORE CLIFFS, AND THE CAROLINIAN AND ALLEGHENIAN ZONES. (NQ)

AN - EJ162875
CHAN- RC502510
TI - EXPLORING A BEACH AND BEACH-COMBING PROJECTS
AU - WHITE, SHELLEY
SO - COMMUNICATOR; 8; 2; 20-2 (SPR-SUM 1977)
- CIJE77
IT - CREATIVE ACTIVITIES; *ENVIRONMENTAL EDUCATION; *LEARNING ACTIVITIES; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *STUDENT PROJECTS
AB - ONE OF THE MOST EXCITING PROJECTS A TEACHER, PARENT, ARTIST, OR NATURALIST CAN SHARE WITH OTHERS IS BEACHCOMBING AND MAKING SOMETHING LASTING WITH THE TREASURES FOUND. THIS ARTICLE DISCUSSES SAND PROJECTS, SAND PAINTING, SAND CASTING, SAND CAST CANDLES, SEA MOBILES, SEAWEED COLLECTIONS, FISH PRINTING, AND REED AND GRASS PRINTING. (NQ)

PHYSICAL EDUCATION

AN - EJ160943
CHAN- SE519184
TI - CATCH THAT BUTTERFLY!
AU - SCHUBERT, WILLIAM
SO - SCIENCE AND CHILDREN; 14; 7; 14-15 (APR 1977)
- CIJE77
IT - *ELEMENTARY EDUCATION; *ELEMENTARY SCHOOL SCIENCE; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; *SCIENCE ACTIVITIES; SCIENCE EDUCATION
AB - GIVES EXAMPLES OF ACTIVE LEARNING EXPERIENCES FOR CHILDREN IN AN OUTDOOR SETTING. DISCUSSED ARE IDEAS FOR ROLE-PLAYING AND ACTIVE PHYSICAL INVOLVEMENT. (CS)

AN - EJ176549
CHAN- SP506783
TI - Adventure Programming--Wilderness and Urban
AU - Schafermeyer, Hank
SO - Journal of Physical Education and Recreation; 49; 1; 30-2 (Jan 1978)
- CIJE78
IT - *Field Experience Programs; *Outdoor Education; *Physical Education; *Urban Environment
ST - *Adventure Planning; *Wilderness Activities
AB - The author briefly discusses the philosophy of adventure programming, presents illustrations of its application in wilderness areas, and suggests ways that it may be modified for urban environments. (MJB)

AN - EJ177645
CHAN- EA509728
TI - A New Look Through Outdoor Pursuits
AU - Mand, Charles L.
SO - NASSP Bulletin; 62; 418; 20-2 (May 1978)
- CIJE78
IT - Elementary Secondary Education; *Educational Programs; *Outdoor Education; *Physical Education; Recreational Activities
AB - Outdoor physical activities programs are feasible extensions of physical education. This article offers answers to some school organizational concerns about outdoor education, including liability, financing, scheduling, and transportation. (Author/DS)

PROGRAM DESCRIPTIONS

AN - EJ160838
CHAN- RC502434
TI - READING INSTRUCTION IN THE OUT-OF-DOORS. AN EXAMPLE OF AN INDIVIDUAL EFFORT TO IMPROVE INSTRUCTION
AU - MARTURANO, ARLENE
SO - JOURNAL OF OUTDOOR EDUCATION; 11; 2; 21-5 (1977)
- CIJE77
IT - *EDUCATIONAL ALTERNATIVES; *GRADE 5; INSTRUCTIONAL MATERIALS; *LESSON PLANS; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; *READING INSTRUCTION; READING DIFFICULTY
AB - DESCRIBING AN OUTDOOR ORIENTED READING PROGRAM DESIGNED FOR CHILDREN (GRADE 5) WITH READING DIFFICULTIES, THIS ARTICLE PRESENTS 8 SAMPLE READING LESSONS FOR AN ALTERNATIVE READING PROGRAM. (JC)

AN - EJ163547
CHAN- AA526502
TI - The Busiest Outdoor School
AU - Marcovich, Sharon C.
SO - American Education; 13; 4; 28-30 (May 1977)
- CIJE78
IT - *Environmental Education; Educational Objectives; Females; Illustrations; *Learning Activities; *Outdoor Education; *Program Descriptions; Program Costs; *Student Participation
ST - *Environmental Learning Center
AB - Training people to become self-sufficient doers instead of remaining passive watchers is the aim of the Environmental Learning Center in Minnesota's far north woods. (Editor)

AN - EJ166570
CHAN- SE519856
TI - YCC: A Recipe for Youth Development
AU - Matthews, Bruce E.; Yaple, Charles H.
SO - Conservationist; 32; 3; 11-12 (Sep/Oct 1977)
- CIJE78
IT - Conservation Education; *Environmental Education; *Outdoor Education; *Program Descriptions; *Resident Camp Programs; *Secondary Grades; Secondary School Students; Youth Employment; Youth Programs
ST - *Youth Conservation Corps; YCC
AB - A YCC project to improve and finish a complete outdoor education center is described. The program and objectives are outlined. Methods of evaluating the students experiences are listed. Testing showed that the students attitudes toward themselves, peers, and the environment became more positive. (AJ)

AN - EJ166571
CHAN- SE519857
TI - Training New York's Bowhunters
AU - Kelsey, Paul
SO - Conservationist; 32; 3; 32-33 (Sep/Oct 1977)
- CIJE78
IT - *Archery; Adult Education; *Outdoor Education; *Program Descriptions; *Wildlife Management
ST - *New York
AB - Because of the increase in bow and arrow hunting, the 1977 legislature passed a bill requiring bowhunting training classes. The basic course outline is described and the method of implementation is given. (AJ)

AN - EJ174186
CHAN- RC502719
TI - The Ragged Hill Woods Student Environment Center: A Model for Cooperation among Regional Agencies
AU - Curtis, Otis
SO - Communicator; 9; 1; 29-31 (F-Win 1977)
- CIJE78
IT - Elementary Secondary Education; *Interagency Cooperation; *Models; *Outdoor Education; Program Development; *Program Descriptions; *Regional Planning
ST - *Connecticut (Windham County); *Ragged Hill Woods Student Environment Center
AB - A model of interagency cooperation the Windham County (Connecticut) Student Environment Center was begun entirely with resources available in most counties of the U.S. and is currently cooperating as a field based training center for pre-service elementary teachers andan educational camp for elementary and secondary students. (JC)

AN - EJ176348
CHAN- SE521246
TI - Something for Everybody
AU - Yaich, James A.
SO - Conservationist; 32; 5; 37-40 (Mar-Apr 1978)
- CIJE78
IT - Adult Education Programs; *Conservation Education; *Environmental Education; Ecology; Educational Programs; *Elementary Secondary Education; *Nature Centers; Natural Resources; *Outdoor Education; Science Education
ST - Audubor Society
AB - This article describes the community program in environmental education developed by the Jamestown Audubon Society. School children are taught conservation, ecology, and hydrology and work outdoors at the Audubon nature center. Other special programs include Saturday programs for older children, adult presentations, and student internships at the center. (MA)

RECREATIONAL ACTIVITIES

AN - EJ157474
CHAN- SE518782
TI - A WEED CANTILEVER
AU - KELLER, ELHANNAN L.; PADALINO, JOHN
SO - SCIENCE ACTIVITIES; 14; 1; 25-26 (JAN/FEB 1977)
- CIJE77
IT - *EDUCATIONAL GAMES; *ELEMENTARY EDUCATION; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; *RECREATIONAL ACTIVITIES; SCIENCE ACTIVITIES
ST - CANTILEVERS
AB - DESCRIBES THE ENVIRONMENTAL ACTION TASK ACTIVITY, WHICH MAY BE USED AS A RECREATIONAL GAME OR AN ENVIRONMENTAL PERCEPTION EXPERIENCE, MAY BE CONDUCTED INDOORS OR OUT-OF-DOORS, USING WEED STEMS (OR SPAGHETTI) AND MASKING TAPE TO CONSTRUCT A CANTILEVER. SMALL GROUPS OF CHILDREN WORK TOGETHER TO MAKE THE CANTILEVER WITH THE LONGEST ARM. FURTHER ACTIVITIES ALSO LISTED. (CS)

AN - EJ159568
CHAN- SE519270
TI - THEY CALL IT ORIENTEERING
AU - WEXLER, MARK
SO - NATIONAL WILDLIFE; 15; 4; 13-16 (JUN-JUL 1977)
- CIJE77
IT - ATHLETICS; ENVIRONMENT; EXERCISE (PHYSIOLOGY); *LEISURE TIME; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; PARKS; *RECREATION; RECREATIONAL ACTIVITIES; TRAILS
ST - *ORIENTEERING
AB - THROUGH THE USE OF PERSONAL ANECDOTES, THE AUTHOR DETAILS HIS INITIAL EXPERIENCE WITH ORIENTEERING, A SPORT RAPIDLY INCREASING IN POPULARITY THAT TEACHES PEOPLE NOT TO GET LOST IN THE WOODS. SOURCES OF INFORMATION ABOUT ORIENTEERING ARE PROVIDED. (BT)

AN - EJ161626
CHAN- AA526199
TI - NATURE IN THE CLASSROOM
AU - DOYLE, CHARLES
SO - NJEA REVIEW; 50; 7; 14-5 (MAR 1977)
- CIJE77
IT - *CONSERVATION (ENVIRONMENT); *ECOLOGY; *NATURAL RESOURCES; *OUTDOOR EDUCATION, TRAILS; *WILDLIFE MANAGEMENT
ST - *BRIGANTINE NATIONAL WILDLIFE REFUGE; *SALTMARSHES
AB - FOR THOSE INTERESTED IN STUDYING MARSHES FIRSTHAND, THE BRIGANTINE NATIONAL WILDLIFE REFUGE IN OCEANVILLE, NEW JERSEY, IS THE PLACE TO GO. DISCUSSES WHY SALTMARSHES SHOULD BE PROTECTED. DESCRIBES ITS' CHANGING BIRD POPULATION, AND THE DEVELOPMENT OF OTHER SALTMARSHES RESULTING FROM THE WETLANDS ACT. (AUTHOR/RK)

AN - EJ162879
CHAN- RC502514
TI - WILDERNESS RECREATION EDUCATION
AU - DRURY, JACK K.
SO - COMMUNICATOR; 8; 2; 44-5 (SPR-SUM 1977)
- CIJE77
IT - CONSERVATION (ENVIRONMENT); ENVIRONMENTAL EDUCATION; *FUTURES (OF SOCIETY); *OUTDOOR EDUCATION; PROBLEM SOLVING; PROGRAM CONTENT; *RECREATION; *USE STUDIES; *WILDLIFE MANAGEMENT
AB - A WILDERNESS RECREATION EDUCATION PROGRAM AIMS TO: OFFER STUDENTS AN OPPORTUNITY TO BE INVOLVED WITH DIRECT LEARNING IN THE OUTDOORS; INSTILL AN UNDERSTANDING OF WAYS TO EXIST WITHIN AND ENJOY THE WILDERNESS ENVIRONMENT; AND DEVELOP AN AWARENESS OF AN APPRECIATION FOR THE NEED TO CONSERVE AND MAINTAIN THE WILDERNESS ENVIRONMENT FOR GENERATIONS TO COME. (AUTHOR/NQ)

AN - EJ163022
CHAN- SE519617
TI - PERSONALITY, OUTDOOR RECREATION, AND EXPECTED CONSEQUENCES
AU - DRIVER, B.L.; KNOPH, RICHARD C.
SO - ENVIRONMENT AND BEHAVIOR; 9; 2; 169-193 (JUN 1977)
- CIJE77
IT - *BEHAVIOR; BEHAVIORAL SCIENCE RESEARCH; ENVIRONMENT; INDIVIDUAL CHARACTERISTICS, *PARTICIPANT CHARACTERISTICS; *PERSONALITY; *RECREATION; *RESEARCH
ST - *OUTDOOR RECREATION
AB - RESULTS OF EXPLORATORY RESEARCH ON RELATIONSHIPS BETWEEN PERSONALITY CHARACTERISTICS (MEASURED BY JACKSON'S PERSONALITY RESEARCH FORM), CHOICE OF RECREATION ACTIVITIES ENGAGED IN ACTIVELY, FREQUENCY OF PARTICIPATION IN THOSE ACTIVITIES, AND THE DESIRED CONSEQUENCES EXPECTED FROM THAT PARTICIPATION ARE REPORTED. (EDITORS/BT)

AN - EJ168708
CHAN- SP506166
TI - Indian Summer for Wayfarers
AU - Kaltenbronn, Kyra
SO - Parks and Recreation; 12; 6; 49-50 (Jun 1977)
- CIJE78
IT - Anthropology; *American Indian Culture; Archaeology; Group Activities; *Natural Resources; *Outdoor Education; *Recreational Activities; *Social History; Youth Programs
AB - A recreational program involving hiking and camping emphasizes teaching young participants through archeology and adventure experiences about American Indians, their technology, and their means of survival in the wilderness. (JD)

RESEARCH NEEDS

AN - EJ176552
CHAN- SP506786
TI - Forecast for Research in Outdoor Education
AU - Vogl, Robert; Vogl, Sonia
SO - Journal of Physical Education and Recreation; 49; 1; 36 (Jan 1978)
- CIJE78
IT - *Outdoor Education; *Research Needs; Research Design; Research Skills; Research Opportunities
AB - A status report on research in outdoor education needs to be written, including the establishment of research priorities, strategies to upgrade both research quality and researcher skills, and strategies for using research to improve outdoor education programs. (MJS)

SCIENCE ACTIVITIES

AN - EJ154238
CHAN- SE518565
TI - SNOWSHOEING: INVITATION TO THE OUTDOORS
AU - PERLUT, SUSAN
SO - SCIENCE AND CHILDREN: 14: 5: 17-19 (FEB 1977)
- CIJE77
IT - *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; ELEMENTARY EDUCATION; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; *SCIENCE ACTIVITIES; SCIENCE EDUCATION
AB - OUTLINES BRIEF HISTORY OF THE USE OF SNOWSHOES. SUGGESTS AND DESCRIBES ACTIVITIES SUCH AS THE CONSTRUCTION OF SNOWSHOES, PROPER USE OF SNOWSHOES, TOPICS FOR DISCUSSION, AND OUTDOOR LESSONS. (CS)

AN - EJ154239
CHAN- SE518566
TI - FUN WITH FOOD WEBS
AU - SMITH, KARL D.
SO - SCIENCE AND CHILDREN; 14; 5; 22-23 (FEB 1977)
- CIJE77
IT - *ECOLOGY; *EDUCATIONAL GAMES; *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; ELEMENTARY EDUCATION; INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; PHYSICAL ACTIVITIES; *SCIENCE ACTIVITIES; SCIENCE EDUCATION
AB - EXPLAINS AN UPPER ELEMENTARY GAME OF TAG THAT ILLUSTRATES ENERGY FLOW IN FOOD WEBS USING CANDY BARS AS FOOD SOURCES. A FOLLOW-UP FIELD TRIP TO A RIVER AND FIVE LANGUAGE ARTS PROJECTS ARE ALSO SUGGESTED. (CS)

AN - EJ155879
CHAN- SE518738
TI - TERRITORIALITY IN THE RED-WINGED BLACKBIRD
AU - NEWHOUSE, CHRIS
SO - AMERICAN BIOLOGY TEACHER; 39; 3; 168-170 (MAR 1977)
- CIJE77
IT - *ANIMAL BEHAVIOR; *BIOLOGY; COLLEGE SCIENCE; *HIGHER EDUCATION; INSTRUCTION; *OUTDOOR EDUCATION; *SECONDARY EDUCATION; *SCIENCE ACTIVITIES; SECONDARY SCHOOL SCIENCE
ST - ORNITHOLOGY
AB - REPORTS FINDINGS ON RESEARCH IN RED-WINGED BLACKBIRD TERRITORIALITY AND DESCRIBES THE EDUCATIONAL POTENTIAL OF USE OF SIMILAR STUDIES IN THE CLASSROOM. TERRITORIAL MAPPING AND OBSERVATIONAL TECHNIQUES ARE EXPLAINED. (CS)

AN - EJ165254
CHAN- AA526362
TI - Kids! Be an Explorer on the Earth Squad
AU - Wolf, Nancy A.
SO - Instructor; 86; 8; 72-3,76,78,128,133 (Apr 1977)
- CIJE78
IT - *Environmental Education; *Ecology; *Outdoor Education; *Science Activities; *Student Projects
AB - A special tear-out-and-duplicate section provides activities for increasing environmental awareness. (RW)

AN - EJ166603
CHAN- SE519914
TI - A Pond Project for Junior High School Students
AU - David, Jim
SO - American Biology Teacher; 39; 6; 370-371,373 (Sep 1977)
- CIJE78
IT - Community Involvement; *Educational Facilities; Ecology; Environmental Education; *Field Instruction; Junior High School Students; *Outdoor Education; *Student Projects; *Science Education; *Science Projects
AB - Described is how a neglected pond was transformed into a useful study area through the efforts of local junior high school students and the community. A chronology of events in the restoration of the pond is included, along with the names of resource personnel and organizations. (MA)

AN - EJ166627
CHAN- SE519966
TI - A Partnership in Outdoor Science Education
AU - Falk, John H.
SO - Science and Children; 15; 1; 24-25 (Sep 1977)
- CIJE78
IT - Biology; Curriculum; Ecology; *Environmental Education; *Elementary Secondary Education; *Field Instruction; *Outdoor Education; *Science Education
ST - *Chesapeake Bay Center for Environmental Studies; *Smithsonian Institution
AB - A Maryland school district and the Smithsonian Institution have become partners in outdoor science education. Working together, they have developed a series of activities for students in grades 1-8 that are an integrated part of a total unified science curriculum, meeting the need of teachers and students alike. (MA)

AN - EJ172540
CHAN- SE520545
TI - Building and Operating an Observation Beehive
AU - Gojmerac, W.L.
SO - Science Activities, 14; 6; 25-7 (Nov-Dec 1977)
- CIJE78
IT - Animal Science; *Biology; *Biological Sciences; *Entomology; Natural Sciences; *Outdoor Education; *Secondary School Science; *Science Activities; Science Education; Secondary Education
ST - *Bees
AB - Describes the construction and observation of beehives. (SL)

AN - EJ176335
CHAN- SE521198
TI - Biology in the School Lot
AU - Sanford, Julie P.
SO - Science Teacher; 45; 2; 24-5 (Feb 1978)
- CIJE78
IT - *Biology; *Elementary School Science; Elementary Education; *Games; Outdoor Education; *Science Units; Science Activities; Science Course Improvement Project; Science Education
ST - *Outdoor Biology Instructional Strategies; OBIS
AB - Reviews the Outdoor Biology Instructional Strategies (OBIS) Food Chain Game. (SL)

TEACHER EDUCATION

AN - EJ160834
CHAN- RC502430
TI - ENVIRONMENTAL EDUCATION--A LEARNING PROCESS
AU - MCDONALD, CHARLINE; MCDONALD, ERNEST C.
SO - JOURNAL OF OUTDOOR EDUCATION; 11; 2; 3-7 (1977)
- CIJE77
IT - BEHAVIOR CHANGE; COMMUNITY INVOLVEMENT; *ENVIRONMENTAL EDUCATION; *LEARNING ACTIVITIES; *LEARNING PROCESSES; *MODELS; *OUTDOOR EDUCATION; PROBLEM SOLVING; STUDENT ATTITUDES; TEACHER EDUCATION
AB - THE BASIC PURPOSE OF THE PROCESS APPROACH DISCUSSED IN THIS PRESENTATION IS TO INVOLVE TEACHERS, STUDENTS, AND ULTIMATELY THE COMMUNITY IN PROBLEM SOLVING SITUATIONS WHICH CAN LEAD TO ATTITUDE CHANGES ABOUT THE MANAGEMENT OF THE ENVIRONMENT. (JC)

AN - EJ160835
CHAN- RC502431
TI - I HEARD OF AN EASY CREDIT
AU - OLSEN, DWAYNE G.
SO - JOURNAL OF OUTDOOR EDUCATION; 11; 2; 8-10 (1977)
- CIJE77
IT - COOPERATING TEACHERS; *ELEMENTARY SCHOOL CURRICULUM; *EDUCATIONAL OPPORTUNITIES; *OUTDOOR EDUCATION; *PRESERVICE EDUCATION; *TEACHER EDUCATION
AB - COOPERATING TEACHERS WHO PROVIDE OPPORTUNITIES FOR EDUCATION STUDENTS TO PARTICIPATE IN OUTDOOR EDUCATION UNITS WILL HAVE ENRICHED THEIR OUTDOOR EDUCATION UNIT WITH THE KNOWLEDGE, TALENTS, AND SKILLS OF A VERY ENTHUSIASTIC GROUP OF FUTURE TEACHERS. (JC)

AN - EJ163232
CHAN- SP505853
TI - ECOSCENE
AU - DAVIS, WILLIAM W.; MANAR, HUGH E.
SO - PARKS AND RECREATION; 12; 1; 26-8,68 (JAN 1977)
- CIJE77
IT - *ELEMENTARY EDUCATION; ENRICHMENT EXPERIENCE; *HANDICRAFTS; *HAND TOOLS; LIFE STYLE; *OUTDOOR EDUCATION; RURAL EDUCATION; *WORK EXPERIENCE PROGRAMS
ST - *EIGHTEENTH CENTURY LIVING
AB - AN ELEMENTARY SCHOOL PROGRAM BASED ON THE PRINCIPLE THAT LEARNING ABOUT LIFE IN THE EIGHTEENTH CENTURY, WHEN MAN'S DEPENDENCE ON HIMSELF AND THE LAND WAS MORE DIRECT, CAN LEAD TO A BETTER UNDERSTANDING OF THE LIFE-STYLES OF TODAY. (JD)

AN - EJ174189
CHAN- RC502722
TI - Exploring a Vacant Lot: An Outdoor Education Teaching Technique
AU - Rillo, Thomas J.
SO - Communicator; 9; 1; 41-6 (F-Win 1977)
- CIJE78
IT - *Activities; *Equipment; Lesson Plans; *Outdoor Education; *Observational Learning; Secondary Education; *Soil Science; *Teaching Techniques
ST - *Vacant Lots
AB - Ten specific activities aimed at studying soil in a vacant lot are presented along with a discussion of necessary/useful equipment and an expemplary lesson plan. (JC)

AN - EJ174913
CHAN- AA527373
TI - From the Mountains to the Classrooms
AU - Eder, Sid; Williamson, Jed
SO - American Education; 13; 9; 17-22 (Nov 1977)
- CIJE78
IT - *Elementary Secondary Education; Learning; *Outdoor Education; *Program Descriptions; Summer Programs; *Student Teacher Relationship; Teaching Styles; *Teacher Improvement; *Teacher Education
ST - *Live, Learn and Teach Program
AB - The fright and uncertainty they themselves felt in unfamiliar places and situations enable teachers to take back to their classrooms an empathy with students who are ill-adjusted to school. Describes the Live, Learn & Teach program (EJ 144 148) developed by the University of New Hampshire for stimulating teachers' interest in changing fixed patterns of teaching. (Editor/RK)

URBAN STUDIES

AN - EJ166501
CHAN- RC502572
TI - Reading the Cultural Landscape. Theme Address of the Taft Campus 25th Anniversary and Spring 1977 Colloquium, Northern Illinois University, April 15-17, 1977
AU - Hopkins, Chuck
SO - Journal of Outdoor Education; 12; 1; 3-14 (1977)
- CIJE78
IT - *Cultural Context; Cultural Environment; Environmental Influences; *Environmental Research; *Human Geography; Life Style; *Outdoor Education; *Relevance (Education); *Urban Studies; Urban Culture
AB - Defining the "cultural landscape" as "any landscape which has experienced a change brought about by man, either directly or indirectly", the article discusses various goals, objectives, targets, and strategies which are relevant to urban studies from an academic approach. (NQ)

AN - EJ166502
CHAN- RC502573
TI - Reading the Urban Landscape: The Shopping Centre as an Educational Resource
AU - VandenHazel, Bessel J.
SO - Journal of Outdoor Education; 12; 1; 15-16 (1977)
- CIJE78
IT - Community Study; *Educational Resources; *Environmental Influences; Environmental Research; *Outdoor Education; *Urban Studies; *Urban Environment
ST - *Shopping Centers
AB - Shopping centres can offer many educational surprises to both students and teachers. A shopping centre study can provide the students with an opportunity to increase their understanding of the role played by these centres in their community. (NQ)

AN - EJ166736
CHAN- SP505972
TI - The Urban Recreation Study: Doing It Right
AU - Maguire, Meg
SO - Parks and Recreation; 12; 4; 28-31,56-7 (Apr 1977)
- CIJE78
IT - Federal Recreation Legislation; *Land Use; *Recreation; Recreation Finances; Research Methodology; *Recreation Legislation; *Urban Areas; Urban Studies; *Urban Environment
ST - *Bureau of Outdoor Recreation
AB - Certain underlying assumptions of the urban recreation study conducted by the Bureau of Outdoor Recreation are highlighted, and recommendations are suggested for the study's shortcomings. (MM)

AN - EJ168801
CHAN- SP506259
TI - Project Adventure
AU - Little, Rufus
SO - Journal of Physical Education and Recreation; 48; 6; 13-16 (Jun 1977)
- CIJE78
IT - Athletic Equipment; *Educational Innovation; *Group Activities; *Group Unity; *Outdoor Education; *Physical Education; Self Concept; Teaching Styles; Urban Schools
AB - Using trees, open fields, empty lots, buildings, or whatever is available near the school, students experience the challenge and group spirit associated with wilderness schools. (JD)

AN - EJ174180
CHAN- RC502713
TI - Shed a Tear for Suicide Hill
AU - Hollander, Allen
SO - Communicator; 9; 1; 2-4 (F-Win 1977)
- CIJE78
IT - *Discovery Learning; *Outdoor Education; *Urbanization
ST - *Experiential Learning
AB - Emphasizing the importance of open, non-structured space, this article asserts that it is in using these spaces to act out their fantasies that children bring life and meaning to the worlds of literature and legends and learn to experience the spice of danger, adventure, and mystery. (JC)

AN - EJ176328
CHAN- SE521169
TI - Manhattan Country School: An Urban School in the Catskills
AU - Southern, Jane; Plummer, James
SO - Nature Study; 31; 3; 5-6 (1978)
- CIJE78
IT - Biological Sciences; Curriculum Design; *Elementary Education; *Environmental Education; *Farm Visits; *Instructional Programs; Natural Resources; *Outdoor Education; Program Descriptions; Science Education
AB - This school integrates an outdoor, farm experience with an urban school curriculum. Elementary students spend increasing lengths of time working on a country farm as a mandatory requirement. Activities include farm chores, nature hikes, household chores, and practical crafts. Students come from a wide range of backgrounds and incomes. (MA)

AN - EJ179852
CHAN- SE520274
TI - City Parks: More Than Meets The Eye
AU - Vandervoort, Frances S.
SO - American Biology Teacher; 39; 8; 473-5 (Nov 1977)
- CIJE78
IT - *Elementary Secondary Education; *Environmental Education; *Learning Activities; Natural Resources; *Outdoor Education; *Parks; *Science Education; Urban Environment; Urban Schools; Values
AB - Urban school districts are discovering city parks as a place for students to learn about their environment through biological investigation. Outlined are some of the activities that are appropriate for students of various grade levels working in a park setting. (MA)

PREVIOUS BIBLIOGRAPHIES

Outdoor Education, A Selected Bibliography. (ED 037 285)

Outdoor Education, A Selected Bibliography. Supplement No. 1 (ED 055 702)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 2 (ED 073 093)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 3 (ED 087 582)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 4 (ED 101 907)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 5 (ED 188 306)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 6 (ED 135 971)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 7 (ED 149 884)

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Washington, DC 20036 (202) 296-2597

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Huntington Hall
Syracuse, NY 13202 (315) 423-3640

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Los Angeles, CA 90024 (213) 825-3931

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